Work Orde April-13-12 1:00	r ID 83186 0:15 PM		*83	186*			Page 1
Revision ID: Item Name:	D412-666-011 Gross Weight Towing 13/04/2012	*2* *2*	Accept	*N9000401 Cust Item ID: Customer:	I	Setup Star Stop	ולימו
	Process Plan: MLJ	Date: \Z 04	\3Tooling: SPC (Y/N):	Date:	<u></u>	Run Star Stop	"NRT"
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours		Plan Acco		Reject Insp. Number Stamp
Draw Nbr	Revision Nbr						
IIN D412-666	Rev C1					•	
*100 *100* DC Document Control	DOCUMENT CONTRO Memo Photocopy bi	L luefile & type labels per	0.00 S 0.00 PPP412-666-011	CHG 004	H	Jor M	J 12-4-2
110 *110* Packaging Packaging	Pick Kit Memo		0.00			- 6. lsf.	1/27 2
120 *120* QC Quality Control	QC4- 100% Inspect kits f Memo	or completeness	0.00 0.00	Solutes	£2		

Dart	Aer	osp	ace	Ltd

W/O:			V	VORK ORDER CHAN	GES			_	•
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			·						
Part No.		DAD #-	Foult Co		NCP: Voc	No BO		Data	
Part NO		PAR #:							
	Hes	solution:						Date: _	
NCR:		'	WORK OR	DER NON-CONFORM	IANCE (NCI	4)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Sec Action Description Chief Eng	ction B Sign a			Approval Chief Eng	Approval QC Inspector
			Critel Eng	Chief Eng	Date				
. kv?									

0.00

0.00

PPP Rev:

Memo

QC21- Final Inspection - Work Order Release

140

140

Quality Control

Insp.

Stamp

Page 2

12-04-25

Dart Aerospace I	Ltd
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W/O:			WC	RK ORDER CHANG	ES					•
DATE	STEP	PR	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
······································										
Part No	:	PAR #:	Fault Cate	jory:	_ NCF	t: Yes	No DQ	A :	_ Date: _	
	R	esolution:	Disposition	ı:	QA:	N/C CIG	sed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE	(NCR)			
D.4.T.E.	0	Description of NC			ion B		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section		Chief Eng	QC Inspector
	_									
					-					
								,		
							1			

Picklist Print April-13-12 1:00:19 PM

Work Order ID: 83186

83186

Parent Item:

D412-666-011

D412-666-011

Parent Item Name: Gross Weight Towing

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:B

Added GHG 002 NG 02-03-06

	1	IPP Rev:C As po	er Rev C JLM	И 07-0	9-07 Verifie	d By:EC								
	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
	AN6-15A		Purchased	No			110	Each	122.0000	4	8			
Si	*AN6-15A	*								**				P
• .					Location		Loc	<u>Qty</u>	Loc Code					
					ST341			122		-1-	2 4			
	1216 454					120423		122		<u>/</u> <u>o</u>	20423		1	•
_	AN6-45A		Purchased	No			110	Each	52.0000	4	8			20
2	*AN6-45A	*								**			[2]	EP
	•				Location		Loc	<u>Oty</u>	Loc Code					
					ST343			52		_4		2 (
						120187		2		/c	30/8/			
	ANOCOIDCIC	21.611.40006604				120423		50		<i></i>	12142	369		
	AN960JD616	NAS1149D0663J	. Purchased	No			110	Each	0.0000	8 ′	16	r		
20 J.	*AN960.IC)616*								** /	712/3	1436		
	D2888		Manufactured	No			110	Each	0.0000	2	4 _			
S.	*D2888*									**	\$10	151	/4	2/4/

Dart Aerospace Ltd	td
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W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		·							
								- 	
Part No		PAR #:							
	R	esolution:	Disposition	ı:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCI	₹)			
DATE	OTED	Description of NC		Corrective Action Secti		Verifica	tion	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign a	Section Section		Chief Eng	QC Inspector
		-							
									·

Picklist Print

April-13-12 1:00:19 PM

Work Order ID: 83186

Parent Item:

D412-666-011

Parent Item Name: Gross Weight Towing

83186

D412-666-011

Start Date: 13/04/2012

Required Date: 27/04/2012

Page 2

Start Qty: 2.00

Required Qty: 2.00

MS21042L6

Purchased

No

110

Each

782.0000

**

Location	Loc Qty	Loc Code	
ST300	782		
117677	25		
118384	3		
118927	48		
119075	506		119075
120308	200		, , ,

April-13-12 1:00:19 PM

Shop Packet Print

Page 2

Dart	Aerospace	

W/O:			W	/ORK ORDER CHAN	IGES					•
DATE	STÉP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	;									
Part No		PAR #:	Fault Cat	tegory:	NCF	R: Yes	No DQ	A :	Date:	<u> </u>
	R	esolution:		on:					Date: _	
NCR:			WORK ORI	DER NON-CONFORM	IANCE	(NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Se Action Description Chief Eng	ection B	Sign & Date	Verific Section		Approval Chief Eng	Approval QC Inspector
								. ,		
		_								

1.0 APPLICABILITY:

GROSS WEIGHT TOWING KIT D412-666-011 MAY BE INSTALLED ON DART D205-634-XXX OR D204-635-XXX OR D412-742-XXX SKIDTUBES INSTALLED ON 412 AIRCRAFT TO ALLOW GROUND HANDLING AT GROSS WEIGHT IN ACCORDANCE WITH BELL SERVICE INSTRUCTION BHT-412-SI-58. IT IS ALSO ACCEPTABLE TO INSTALL THIS KIT ON 204/205/210/212 AIRCRAFT EQUIPPED WITH DART SKIDTUBES IN ORDER TO PRESERVE THE LIFE OF THE AFT CROSSTUBES. THIS KIT CONTAINS ENOUGH PARTS TO INSTALL D2888 LUGS ON BOTH SKIDTUBES.

PARTS LIST:

QTY 011	PART	DESCRIPTION
X	D412-666-011	GROSS WEIGHT TOWING KIT
2	D2888	LUG
. 4 .	AN6-15A 4	BOLT
. 4	AN6-45A	BOLT
8	AN960JD616	WASHER
4	MS21042L6	NUT (or MS21042-6)

REFERENCE ONLY

WEIGHT AND BALANCE:

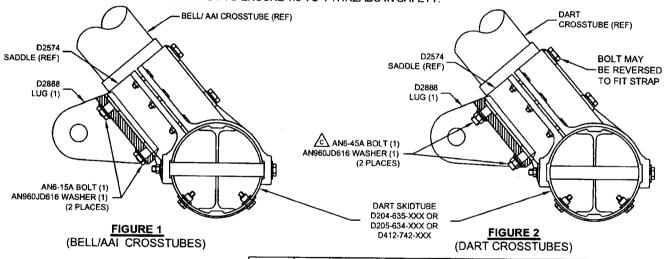
		LONGITUDINAL.	
INSTALLATION	WEIGHT	ARM	MOMENT
D412-666-011	1.90 lb	163.0 in	310 in lb
	0.86 kg	4.14 m	3.56 m kg

4 0 PROCEDURE:

- REMOVE ANG-12A BOLTS (4) ON INBOARD SIDE OF AFT SADDLE AND DISCARD. ON LANDING GEAR WITH DART AFT 1) CROSSTUBES, REMOVE (4) ANG-40A BOLTS.
- INSTALL D2888 LUGS WITH AN6-15A BOLTS (2) AS SHOWN IN FIGURE 1. USE AN6-45A (2) BOLTS ON DART CROSSTUBES, AS 2) SHOWN IN FIGURE 2.
- 3) TORQUE BOLTS TO 95-110 in-lb (10.7-12.4 N-m).

<u>∕</u>\$5.0

IT IS ACCEPTABLE TO REPLACE THE ANG-15A/-45A BOLTS WITH LONGER OR SHORTER ANG BOLTS AS REQUIRED AND/OR INSTALL EXTRA AN960JD616 WASHERS UNDER NUT TO ENSURE 1.5 TO 4 THREADS IN SAFETY.



С	- AN6-45A WAS AN6-43A, ADD NOTES - TO ENSURE COMPATIBILITY WITH D412-742-011/-013 - ESTIMATE (PARTS/PICK LIST) IS AFFECTED	МВ	07.08.09
В	UPDATE KIT FOR BOTH SKIDTUBES AND COMPATIBILITY WITH DART CROSSTUBES	СР	02.03.04
Α	NEW ISSUE	CP	99.05.03
REV.	DESCRIPTION	BY	DATE

			1 5/1/2
DESIGN	DART AEROSPACE	ACFITD	
DRAWN	4	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. C
MFG. APPR.	N/A	D412-666	SHEET 1 OF 1
APPROVED	#	TITLE	SCALE
DE APPR.	A	412 GROSS WEIGHT TOWING KI	T 1:4
DATE 07.08.10		COPYRIGHT © 1999 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS	

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WRITTEN PERMISSION FROM DART AFROSPACE LTD

DART SERVICE INSTRUCTION
TO AMEND INSTALLATION INSTRUCTIONS D205-634 REV. B OR LATER APPROVED REVISION

REF. TCCA STC: SH96-88 REF. FAA STC: SR00563NY REF. EASA.IM.R.S.01303 REF. JAPANESE STC: STC-55-1-TYO

REFERENCE ONLY

THE FOLLOWING OPTIONAL KITS MAY BE PURCHASED FROM DART AEROSPACE AND ARE APPROVED FOR INSTALLATION ON DART D205-634-XXX SKIDTUBES

KIT	DESCRIPTION	INSTALLATION INSTRUCTIONS	PURPOSE
D205-665-011	CABLE GUARD KIT	D205-665 REV. F OR LATER APPROVED REVISION	TO PROTECT THE SKIDTUBES FROM DAMAGE FROM HOIST KIT CABLES
D205-665-013	CABLE GUARD KIT	D205-665 REV. F OR LATER APPROVED REVISION	TO PROTECT THE SKIDTUBES FROM DAMAGE FROM HOIST KIT CABLES
D205-665-015	CABLE GUARD KIT	D205-665 REV. F OR LATER APPROVED REVISION	TO PROTECT THE SKIDTUBES FROM DAMAGE FROM HOIST KIT CABLES
D205-665-017	CABLE GUARD KIT	D205-665 REV. F OR LATER APPROVED REVISION	TO PROTECT THE SKIDTUBES FROM DAMAGE FROM HOIST KIT CABLES
D205-665-019	CABLE GUARD KIT	D205-665 REV. F OR LATER APPROVED REVISION	TO PROTECT THE SKIDTUBES FROM DAMAGE FROM HOIST KIT CABLES
D412-666-011	GROSS WEIGHT TOWING KIT	D412-666 REV. C OR LATER APPROVED REVISION	TO ALLOW FOR GROSS WEIGHT TOWING OF THE AIRCRAFT IN ACCORDANCE WITH BHT-412-SI-58
D412-673-011	ELECTRIC STEP ADAPTATION KIT	D412-673 REV. C OR LATER APPROVED REVISION	TO ALLOW INSTALLATION OF BELL 212- 706-105-003 ELECTRIC RETRACTING STEPS

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01

APPROVED

DATE: CERT. NO.: ISSUE NO.:

<u> 11.10.31 </u>	
SH96-88	
3	

E	ADD D205-665-019 RF 11.10.			11.10.31	
D	ADD D205-665-011/-013			СР	09.11.12
С	ADD D205-665-017; REFORMAT		HS	09.09.08	
В	ADD D412-673-011		CP	99.10.01	
Α	NEW ISSUE		СР	99.04.08	
REV.		DESCRIPTION		BY	DATE
DESIGN	1	\$	DART AEROSPACE LTD		TD
DRAW	DRAWN RF		HAWKESBURY, ONTARIO, CANADA		
CHECK	ED	4	DRAWING NO.		REV. E
MFG. A	PPR.	N/A	DSI 9152		SHEET 1 OF 1
APPRO	VED	- ##	TITLE		SCALE
DE APF	DE APPR.		OPTIONAL SKIDTUBE KITS NTS		S NTS
DATE 11.10.31			COPYRIGHT @ 1999 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMANICATED TO ANY OTHER PERSON WITHOUT		